DESIGN GUIDE

BUILT-IN REFRIGERATORS

JADE™ | SAVOR THE PERFORMANCE.™

CONTENTS

DESIGN OPTIONS 2

MODEL SPECIFICATIONS 4

INSTALLATION GUIDE 5

- CUTOUT DIMENSION SPECIFICATIONS 6
- PROPER POSITIONING 7
- PANEL INSTALLATION 9
- FRAMED MODEL PANELS 10
- OVERLAY MODELS 13
- SIDE PANELS 16
- SPECIAL CONSIDERATIONS 17

WARRANTY 19

JADE™ | SAVOR THE PERFORMANCE.™

Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details, see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

THE JADE™ BUILT-IN REFRIGERATOR

The Jade™ built-in refrigerator is the new choice in built-in refrigeration excellence for discriminating homeowners — a choice that's backed by the solid reputation of Jade as a leader in the development of innovative kitchen solutions. Now Jade continues that tradition with a built-in refrigerator that is setting new standards in style, storage and performance.

Personalization is the guiding principle behind every aspect of the Jade™ built-in refrigerator design, from its variety of exterior styling possibilities, to adaptable choices in interior storage, to performance that exceeds expectations. It all begins with these distinct styling options — our versatile overlay model featuring the homeowner's choice of custom panels and handles or our elegant framed model featuring custom panels offset by sleek trim and matching handles. Exterior customization continues with your client's choice of a dispenser or nondispenser model.

Adaptable interior storage enables the client to create and recreate the space inside the refrigerator with ease. Adjustable shelves and bins.

When it comes to performance, the Jade™ built-in refrigerator excels. The key to its superb performance edge is our Professional Temperature Management™ System. This sophisticated multi-component system is highlighted by our variable-speed compressor and Optifresh™ storage drawers, two features which help ensure precise temperatures for outstanding food preservation.

The excellence of the Jade™ built-in refrigerator design is also evident in quality construction details like foamed-in-place doors that provide the best insulation and rigidity possible. A four-square leveling system allows for each corner of the refrigerator to be adjusted from the front of the unit for easier and more precise leveling. And the acoustic design of our Ultra-Quiet sound package ensures incredibly quiet performance.

You'll also find that our built-in refrigerator is backed by one of the best warranties in the industry. The Jade™ built-in refrigerator warranty provides parts and labor coverage for a full three years from the original Purchase date. A five-year parts and labor warranty and a six-through twelve-year parts warranty covers major refrigeration components including the compressor, evaporator, condenser, drier and connecting tubing.

This Design Guide outlines the unique features of the Jade™ built-in refrigerator and provides general guidelines for a smooth installation process. Complete installation instructions are shipped with each unit. Refer to these instructions when preparing and installing all Jade® products. Should you have unique design considerations or installation questions, you can easily access comprehensive technical assistance and support by calling Jade at 1-800-794-5233. Service hours are 8 a.m.–8 p.m. Monday through Friday and 8 a.m.–5 p.m. Saturday (PT).

DESIGN OPTIONS

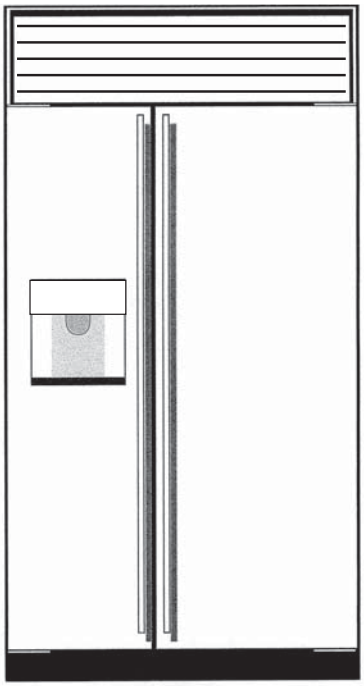
Refrigerators that satisfy a world of individual preferences.

Jade™ built-in refrigerators offer a variety of models with design options and interior options that can easily be personalized for each client. From our cool and cultured stainless steel refrigerator, to the distinctive appeal of our overlay design, to the popular look of the framed model, Jade has an option that will fit your client's dream kitchen perfectly (see illustrations below).

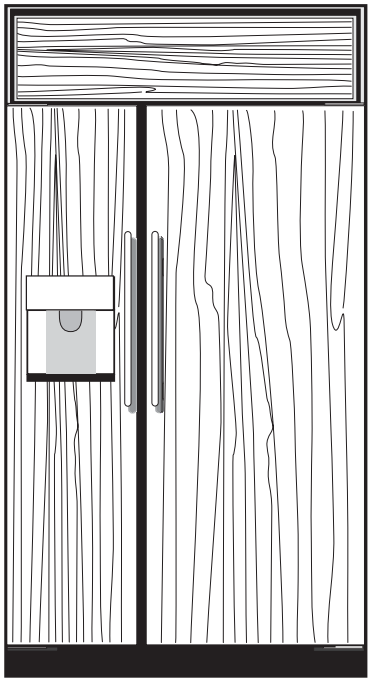
Stainless steel models with beautiful wrapped doors come with stainless steel towel-bar handles. Nondispenser models are available, as well as dispenser models with a sleek, black dispenser that enhances the professional look. A heavy-duty 11" stainless steel grille finishes the look.

Overlay models utilize custom panels to convey an elegant, seamless appearance unique to each client's kitchen. Since these models do not include handles, you have the freedom to choose from a practically unlimited array of handle styles to match or complement the hardware on surrounding cabinetry. Non-dispenser models or models with a black dispenser are available. The 11" grille at the top and toe kickplate at the bottom also accept custom panels.

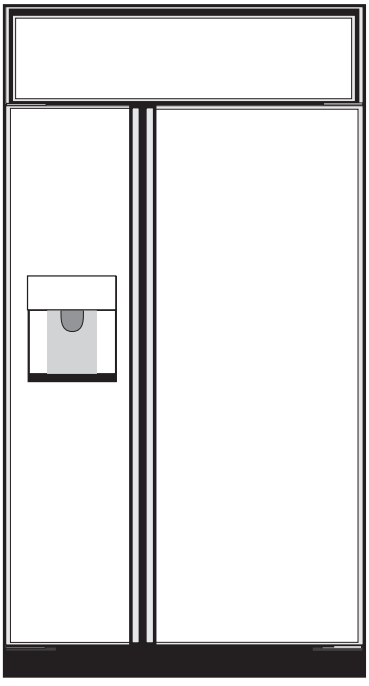
Framed models are offered with silver etched frames and handles to complement the custom panels your client has chosen. Attractive full-length handles add sophistication to our framed models. Dispenser and nondispenser framed models are available. On dispenser models, a black dispenser silver etched frame and handles. An 11" grille at the top and a toe kickplate at the bottom



STAINLESS STEEL MODEL WITH DISPENSER
(shown with stainless steel towel bar handles)



OVERLAY MODEL WITH DISPENSER
(panels and handles not included)



FRAMED MODEL WITH DISPENSER
(panels not included; includes extruded handles)

Dispenser (shown in stainless steel model)

Filtered ice and water dispenser with sleek, backlit design provides a distinctive look for built-in refrigerator dispenser models. The PuriClean® filtration system delivers fresh, filtered water and crushed or cubed ice anytime, and touch sensors activate with just a light touch.

Stainless steel models feature a black dispenser surrounded completely by the stainless steel of the door and covered with stainless steel overlay. Framed models can accept a freezer panel that fits around all sides of the dispenser. Or, you may choose a custom decorator freezer panel to blend perfectly with your cabinetry on framed or overlay models.

Installation considerations: Before the built-in refrigerator is installed, it is important to make sure the unit shipped matches the exact design that you have specified and ordered. **When the unit arrives at the installation site, make sure the installer checks the shipment carefully.**

Each of the three design choices — stainless steel, overlay and framed — has distinct installation requirements, which means it is crucial that the unit delivered matches your space and planning requirements. The shipping carton will be labeled with a model number that will describe exactly the size, design, handle style, color and whether the unit is a dispenser or nondispenser model. Note that the 4th position of the model number indicates the different styles. (See chart below for model number guide.)

Installation instructions are shipped with each unit. Follow those instructions when preparing the space, uncrating the unit, and when installing any Jade™ built-in refrigerator. If you cannot locate the installation instructions, call Jade Customer Assistance toll-free at 1-800-794-5233 (U.S. and Canada). Or visit the Customer Service section of www.jadeappliances.com to download complete instructions quickly and easily.

MODEL SPECIFICATIONS

JADE™ BUILT-IN REFRIGERATOR MODELS

SIZE	STYLE	TYPE	HANDLE & TRIM COLOR	MODEL
48"	STAINLESS STEEL	DISPENSER	Stainless Steel Handle/No Trim	RJRS4880
		NON-DISPENSER	Stainless Steel Handle/No Trim	RJRS4870
	OVERLAY	DISPENSER	No Handle/Silver Etched	RJRS4881
		NON-DISPENSER	No Handle/Silver Etched	RJRS4871
	FRAMED	DISPENSER	Silver Etched	RJRS4882
		NON-DISPENSER	Silver Etched	RJRS4872
42"	STAINLESS STEEL	DISPENSER	Stainless Steel Handle/No Trim	RJRS4280
		NON-DISPENSER	Stainless Steel Handle/No Trim	RJRS4270
	OVERLAY	DISPENSER	No Handle/Silver Etched	RJRS4281
		NON-DISPENSER	Silver Etched	RJRS4271
	FRAMED	DISPENSER	Silver Etched	RJRS4282
		NON-DISPENSER	Silver Etched	RJRS4272

DISPENSER MODEL INTERIOR CAPACITIES

	48" MODELS	42" MODELS
STAINLESS STEEL MODELS with stainless steel towel bar handles	RJRS4880	RJRS4280
OVERLAY MODELS	RJRS4881	RJRS4281
FRAMED MODELS	RJRS4882	RJRS4282
Interior Capacities — cu. ft. (cu. m)		
Total Volume	30.7	26.0
Refrigerator Compartment Volume	18.3	15.4
Freezer Compartment Volume	12.4	10.6
Total Shelf Area — sq. ft. (sq. m)	27.3	22.8
Kilowatt-Hours Per Year	790.0	732.0

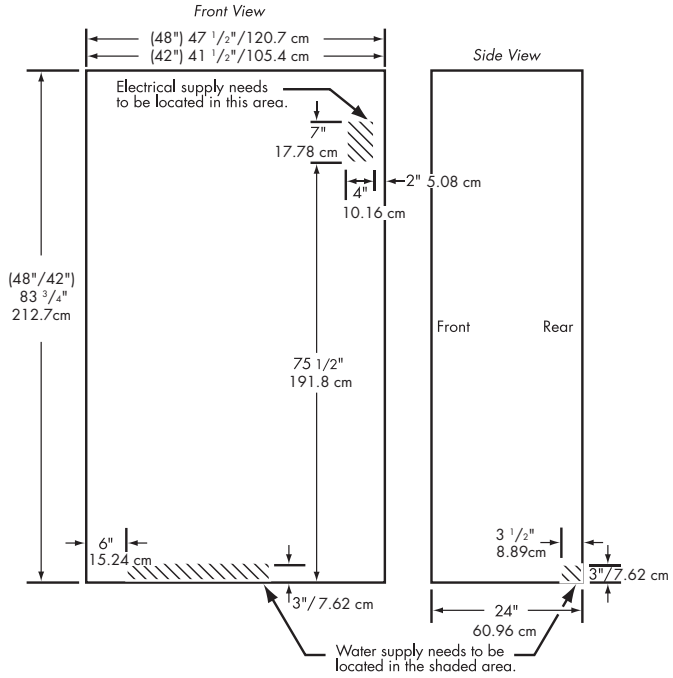
NONDISPENSER MODEL INTERIOR CAPACITIES

	48" MODELS	42" MODELS
STAINLESS STEEL MODELS with stainless steel towel bar handles	RJRS4870	RJRS4270
OVERLAY MODELS	RJRS4871	RJRS4271
FRAMED MODELS	RJRS4872	RJRS4272
Interior Capacities — cu. ft. (cu. m)		
Total Volume	30.1	25.5
Refrigerator Compartment Volume	18.3	15.4
Freezer Compartment Volume	11.8	10.1
Total Shelf Area — sq. ft. (sq. m)	29.4	26.8
Kilowatt Hours Per Year	689.0	661.0

INSTALLATION GUIDE – GENERAL CONSIDERATIONS

Even though Jade™ built-in refrigerators are available in a wide range of design styles and configurations, the basic installation planning information for all models has things in common. After the decision has been made to install a Jade™ built-in refrigerator, be sure to review the installation requirements for the model design chosen.

Make sure the opening where the unit will be installed is properly prepared. Refer to Figure 1. Also check placements for the electrical outlet and water line as shown in Figure 1.



For the door to open properly, it must be able to open at least 90 degrees. For installation in a corner, a 2" (5.1cm) filler strip is required to ensure the 90-degree opening. Be sure to add the filler strip width to your finished rough-in dimension.

The floor under the refrigerator has to be level with the surrounding floor. To protect the floor when moving the refrigerator, place cardboard or a carpet remnant with the backing placed up on the floor.

IMPORTANT TIP: Refer to the illustrations at the end of this section for details on door openings and filler-size alternatives.

Electrical Connection

This appliance is designed to operate on a normal 115 volt, 15 amp, 60 cycle line. There should be a separate, grounded circuit serving this appliance only. Do not use an extension cord. Do not use any device that will alter the electrical performance of this appliance. For the placement of the electrical outlet, refer to Figure 1. Do not use a ground fault circuit interrupter.

Plumbing Requirements

- Rough in the water line for the location (FIG. 1).
- Connect a ¼" (0.64 cm) copper line to the house water supply in compliance with local codes and ordinances.
- Use a shutoff valve between the refrigerator and water supply. The shutoff should be a drilled saddle valve. Do not use a self-tapping valve.
- The icemaker operates on 30 – 120 PSI.
- Route the water line within ½" (1.3cm) of the wall and no higher than 3" (7.6 cm) from the floor. Allow at least 3' (0.91 m) of excess copper tubing outside the wall for easy connection to the water valve.

IMPORTANT TIP: In homes with a reverse-osmosis water treatment system, remove the water inlet connector from the yellow valve and attach to the blue valve. Make sure the water filter bypass plug is in place.

Uncrating The Unit

Uncrate the unit. Remove the lower shipping bolts and brackets. Slide the unit off of the crate base. Remove and save the lower toe kickplate, anti-tipping brackets and mounting hardware (FIG. 2a). Remove the upper cover (this will help when moving the unit) (FIG. 2b).

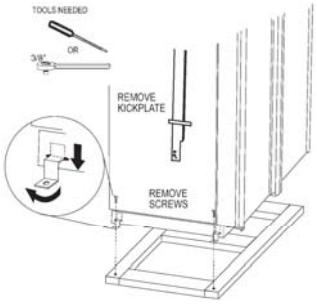


FIG. 2a

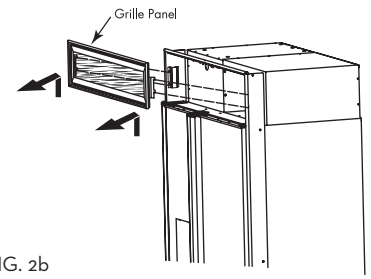
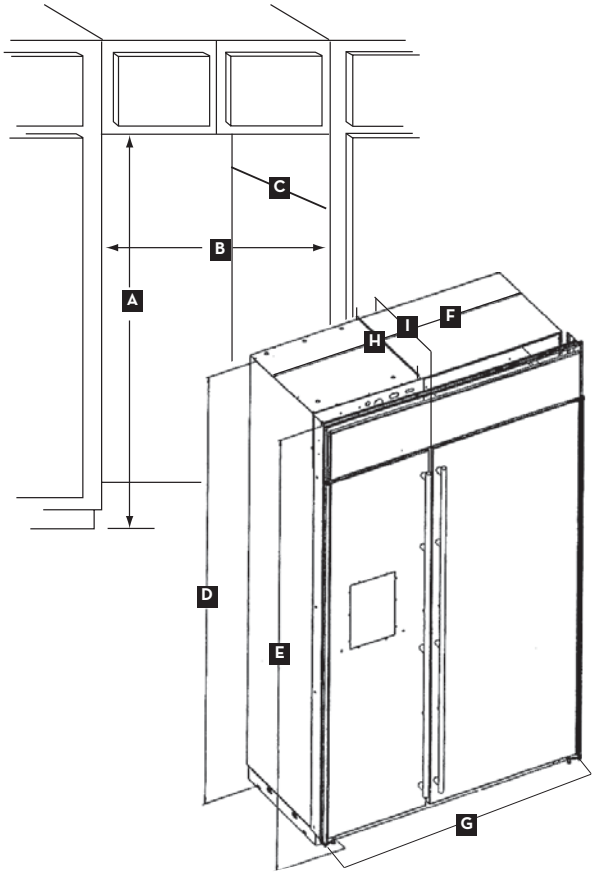


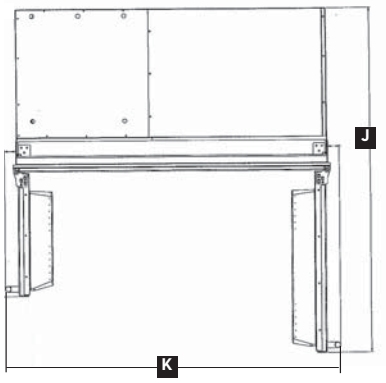
FIG. 2b

Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details, see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

INSTALLATION GUIDE – CUTOUT DIMENSION SPECIFICATIONS



TOP VIEW



Exterior Dimensions	**48" STAINLESS STEEL**		**48" OVERLAY**		**48" FRAMED**		**42" STAINLESS STEEL**		**42" OVERLAY**		**42" FRAMED**	
Model Numbers	RJRS4880 RJRS4870		RJRS4881 RJRS4871		RJRS4882 RJRS4872		RJRS4280 RJRS4270		RJRS4281 RJRS4271		RJRS4282 RJRS4272	
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm
A. Cutout Height	83 3/4	212.7	83 3/4	212.7	83 3/4	212.7	83 3/4	212.7	83 3/4	212.7	83 3/4	212.7
B. Cutout Width	47 1/2	120.7	47 1/2	120.7	47 1/2	120.7	41 1/2	105.4	41 1/2	105.4	41 1/2	105.4
C. Cutout Depth	24	61.0	24	61.0	24	61.0	24	61.0	24	61.0	24	61.0
D. Height To Top Of Cabinet *	83 1/16	210.9	83 1/16	210.9	83 1/16	210.9	83 1/16	210.9	83 1/16	210.9	83 1/16	210.9
E. Height To Top Of Grille	83 3/8	211.8	83 3/8	211.8	83 3/8	211.8	83 3/8	211.8	83 3/8	211.8	83 3/8	211.8
F. Width (Cabinet)	47 1/4	120.0	47 1/4	120.0	47 1/4	120.0	41 1/4	104.8	41 1/4	104.8	41 1/4	104.8
G. Width (Doors Closed)	48 1/16	122.1	48 1/16	122.1	48 1/16	122.1	42 1/16	106.8	42 1/16	106.8	42 1/16	106.8
H. Depth Excl. Handles (Closed)	25 1/4	64.1	25 1/4	64.1	25 1/4	64.1	25 1/4	64.1	25 1/4	64.1	25 1/4	64.1
I. Depth Incl. Handles (Closed)	26 5/8	67.6	NA		26 3/8	67.0**	26 5/8	67.2	NA		26 3/8	67.0**
J. Depth (Fresh Food Door Open 90°)	52 9/16	133.5	52 9/16	133.5	52 9/16	133.5	48 3/4	123.8	48 3/4	123.8	48 3/4	123.8
K. Width (Doors Open 90°, Including Handles)	50 3/4 51 7/8	128.9 131.8	NA		50 1/4	127.6***	44 3/4 45 7/8	113.7 116.5	NA		44 1/4	112.4***

* 1 1/4" (3.2 cm) vertical adjustment for leveling and height adjustments.

** Add 1" (2.5 cm) to depth (I) for extended handle kit, if used, on framed model.

*** Add 2" (5.1 cm) to width (K) for extended handle kit, if used, on framed model.

Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

INSTALLATION GUIDE – PROPER POSITIONING

Blocking and/or Anchoring the Refrigerator

If there is a solid soffit above the unit and the clearance is 1" (2.5 cm) or less, you will not need to block the unit. For installations with clearances of more than 1" (FIG. 3), you must use the anti-tipping 2 x 4 and brackets provided (FIG. 4).

More than 1" (2.5 cm) Clearance:
Use the anti-tipping kit provided with the shipping crate. Locate and mark the two wall studs behind the unit. Mark where the "L" brackets and 2 x 4 will be located and drill two ⅛" pilot holes. Locate the proper height to clear the unit. The space between the top of the unit and bottom of the wood block must not exceed ¼" (0.6 cm). Secure the L brackets into the wall studs using the provided screws (1). Make sure the screws will extend ⅞" (2.2cm) into the wall studs. Align the pilot holes with the L brackets and secure the 2 x 4 with the screws provided (2 , 3).

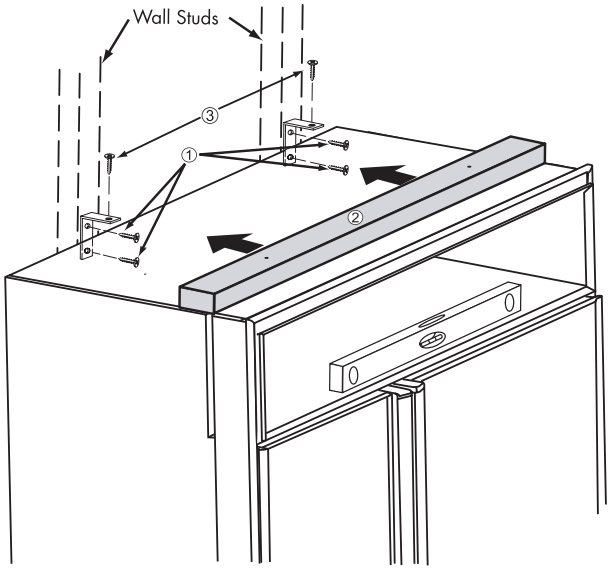


FIG. 4

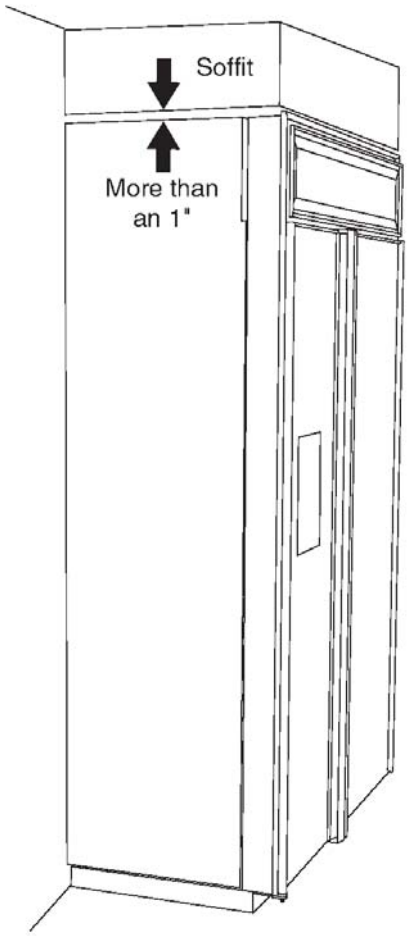


FIG. 3

Adjusting Door Hinges

Check to make sure the doors are properly adjusted. If not, adjust the top and bottom hinges. The hinges are slotted for side-to-side movement. First, remove the small Phillips screw on the door hinge, which is inboard on the hinge, and throw it away. Adjust the upper and lower hinges by loosening the three large Torx screws. Tighten the screws after the doors are adjusted. Door handles can be adjusted to level top handle trim. The doors are slotted for handle alignment.

INSTALLATION GUIDE – PROPER POSITIONING

Leveling

Slide the unit in place and raise the front and rear levelers until the unit touches the brackets. Use a ⅜" socket for raising and lowering the unit. On each wheel housing, there are two ⅜" hex bolts. On the left side, the outside bolt will move the rear leveler and the inside bolt will move the front leveler. On the right side, the outside bolt will move the front leveler and the inside bolt will move the rear leveler (FIG. 5). The front levelers must be in contact with the floor. To raise the leveling legs, turn the hex screw counterclockwise. Place level on lower ledge of the machine compartment. Level the unit front to back and side to side to prevent tipping of the unit (FIG. 4). Install the kickplate. The kickplate must be removable to allow access to the water valves. In the machine compartment there is an on/off power switch. Make sure the switch is in the ON position and switch lever is up. Install the upper cover.

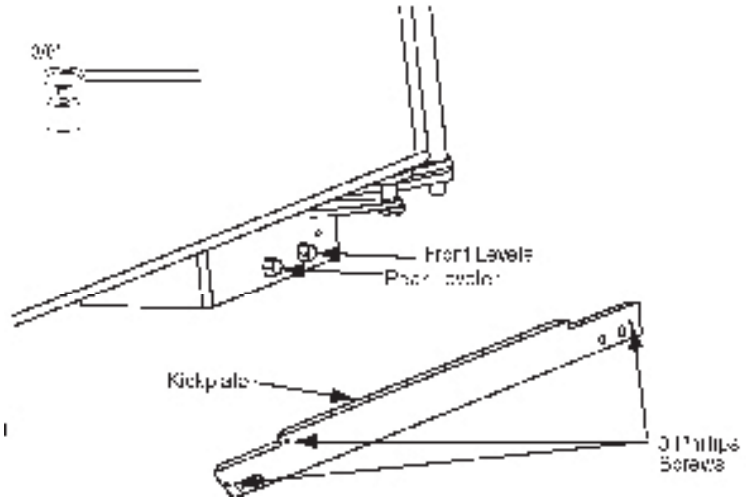
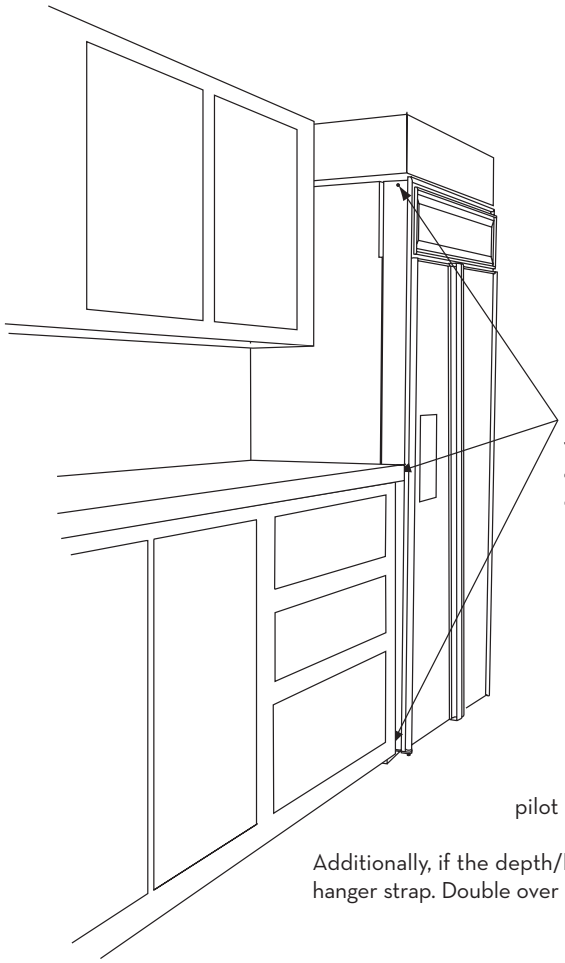


FIG. 5

1 ¼" (3.2 cm) vertical adjustment for leveling and height adjustments.



Drill 3 holes through vertical frame into cabinetry where applicable.
(approx. location)

Optional: If you are attaching the unit to cabinetry, drill three 3⁄16" holes through both outer trims. Drill ⅛" pilot holes into the cabinetry. Install screws.

Additionally, if the depth/height of opening is excessive, use the steel hanger strap. Double over strap at the anchor points to secure cabinet.

INSTALLATION GUIDE – PANEL INSTALLATION

Integrating the Refrigerator into Kitchen Cabinetry

If the customer has chosen a stainless steel model, it will arrive complete with wrapped stainless steel doors and stainless steel towel bar handles. You will not have to install panels. Jade offers 42" and 48" dispenser and nondispenser models with the stainless steel design.

Framed or overlay models require the installation of custom or decorative panels to give the refrigerator the personalized look the consumer has chosen for the kitchen. Framed models are shipped with full-length extended handles (see below). Overlay models are designed to use the custom hardware the consumer has chosen separately; handles are not included with this type of product.

Framed Models

Framed models can accept either a framed panel or a custom decorator panel. If the thickness of the framed panel to be installed is less than ¼" (0.6 cm), a sheet of shim material to build the total thickness to ¼" (0.6 cm) must be used. Likewise, if the framed panel is thicker than ¼" (0.6 cm), you must rout an edge around the panel to ensure the panel fits properly. This is illustrated in Figures 6 and 7.

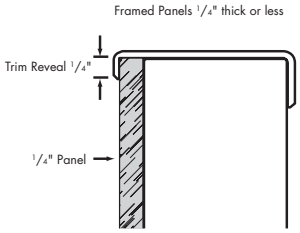


FIG. 6

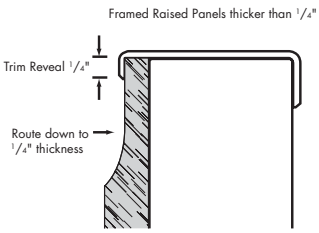


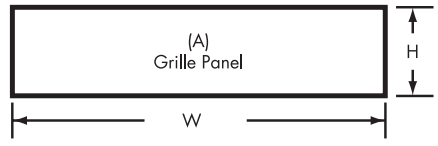
FIG. 7

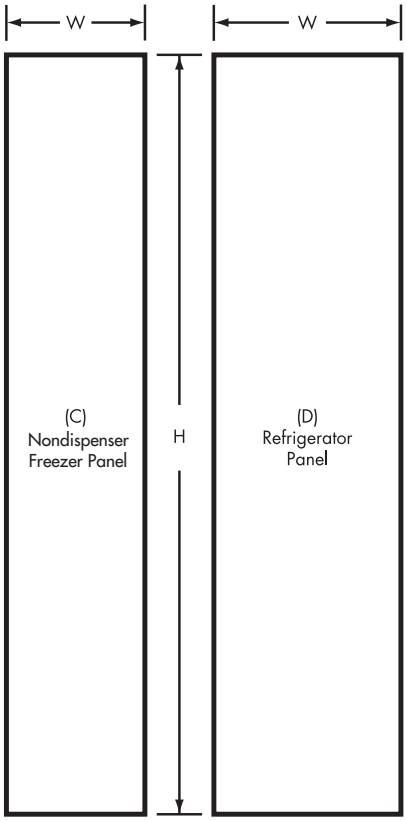
Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details, see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

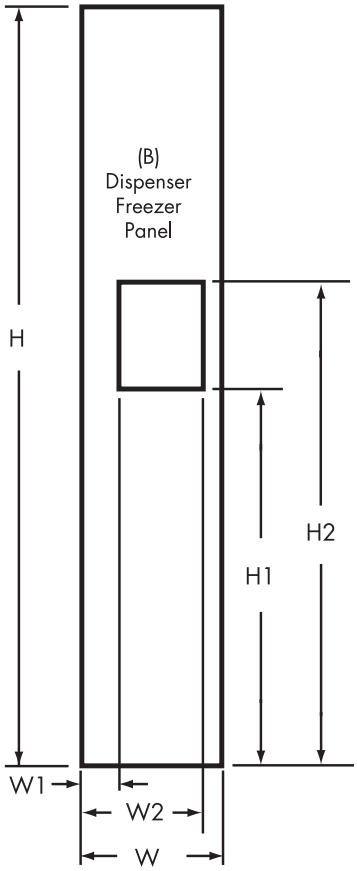
INSTALLATION GUIDE – FRAMED MODEL PANELS

A. 1/4" (10.6 cm) Framed Panel Specifications for Framed Models

Jade offers 42" and 48" dispenser and nondispenser models with the framed design. The framed trim remains visible when using the framed panel installation. These models accommodate up to a 1/4" (0.6 cm) panel depth.







Refer to page 20 for toe kickplate panel information.
If installing side panels, refer to page 19.

		42"-Wide Cabinet		48"-Wide Cabinet	
		in.	cm	in.	cm
(A)	Grille Panel				
	W Width	40 1/4	102.24	46 1/4	117.47
	H Height	8 3/4	22.23	8 3/4	22.23
(B)	Freezer Dispenser Panel				
	W Width	15 1/16	38.26	17 5/16	43.97
	W1 Width	2	5.08	2	5.08
	W2 Width	14 1/2	36.83	14 1/2	36.83
	H Height	69 1/8	175.58	69 1/8	175.58
	H1 Height	34 1/16	86.52	34 1/16	86.52
	H2 Height	48 1/8	122.24	48 1/8	122.24
(C)	Freezer Nondispenser Panel				
	W Width	15 1/16	38.26	17 5/16	43.97
	H Height	69 1/8	175.58	69 1/8	175.58
(D)	Refrigerator Panel				
	W Width	22 5/16	56.67	26 1/16	66.20
	H Height	69 1/8	175.58	69 1/8	175.58

⚠ CAUTION

Refrigerator Panel Weight Not to Exceed 50 lbs. (22.36 kg)
Total Freezer Panel Weight Not to Exceed 33 lbs. (14.96 kg)
Grille Panel Weight Not to Exceed 22 lbs. (9.97 kg)

Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

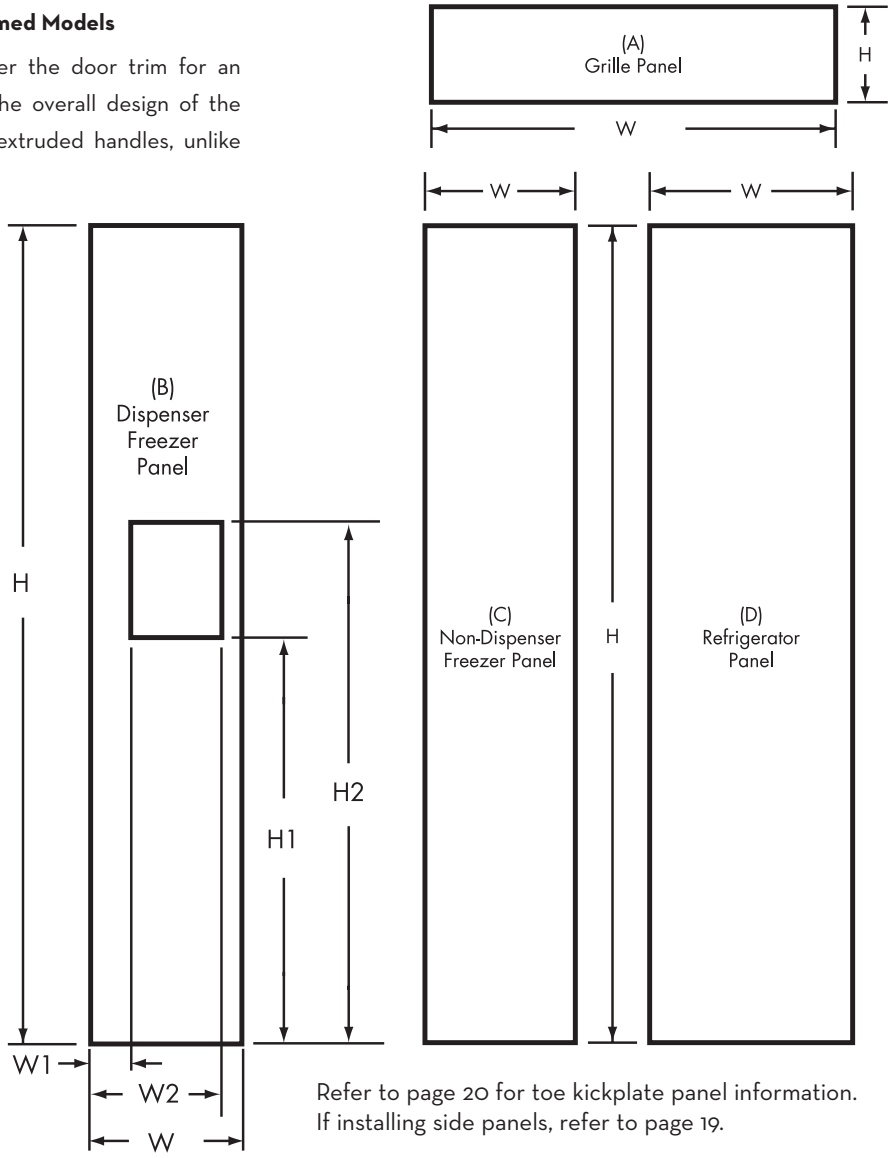
INSTALLATION GUIDE – FRAMED MODEL PANELS

B. Decorator Panel Specifications for Framed Models

Decorator panels for framed models cover the door trim for an attractive, seamless look that flows into the overall design of the room. Framed models include full-length extruded handles, unlike overlay models. Attention must be paid to hand clearance, or the depth of space between the decorator panel and the built-in handle. (See figures 12 and 13 on page 17 for more information.)

This application is often accomplished by using three panels: the decorative front panel, a spacer panel of .10" (2.5 cm) thickness and a 1/4" (0.6 cm) backer panel. Other options to achieve this look (such as using one panel routed for different dimensions) may be available from your cabinet manufacturer.

Jade offers 42" and 48" dispenser and nondispenser models with the framed design.



Refer to page 20 for toe kickplate panel information.
If installing side panels, refer to page 19.

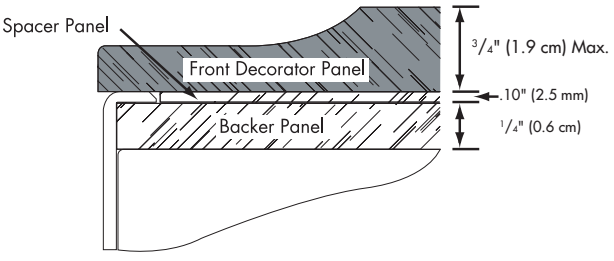


FIG. 8

Figure 8 shows a cross-section view of the three-panel assembly indicating the placement of the door/grille trim.

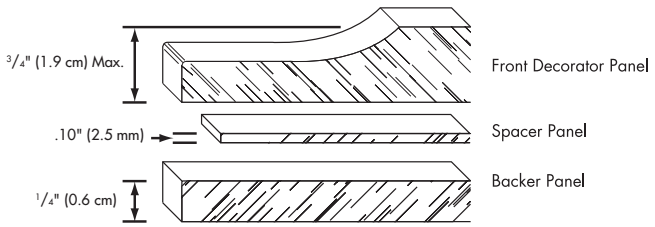


FIG. 9

Figure 9 gives a rear view of the three-panel assembly and important dimensions that are standard for framed and overlay models. For routed-panel applications, the backer panel dimension should not exceed 7/32" (0.55 cm) thickness.

Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details, see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

INSTALLATION GUIDE – FRAMED MODEL PANELS

	42"-Wide Cabinet		48"-Wide Cabinet	
BACKER PANEL	in.	cm	in.	cm
(A) Grille Panel				
W Width	40 1/4	102.24	46 1/4	117.48
H Height	8 3/4	22.23	8 3/4	22.23
(B) Freezer Dispenser Panel				
W Width	15 1/16	38.26	17 5/16	43.97
W1 Width	2	5.08	2	5.08
W2 Width	14 1/2	36.83	14 1/2	36.83
H Height	69 1/8	175.58	69 1/8	175.58
H1 Height	34 1/16	86.52	34 1/16	86.52
H2 Height	48 1/8	122.24	48 1/8	122.24
(C) Freezer Nondispenser Panel				
W Width	15 1/16	38.26	17 5/16	43.97
H Height	69 1/8	175.58	69 1/8	175.58
(D) Refrigerator Panel				
W Width	22 5/16	56.67	26 1/16	66.20
H Height	69 1/8	175.58	69 1/8	175.58
SPACER PANEL	in.	cm	in.	cm
(A) Grille Panel				
W Width	39 1/4	99.7	45 1/4	114.94
H Height	7 3/4	19.69	7 3/4	19.69
(B) Freezer Dispenser Panel				
W Width	14 1/16	35.72	16 5/16	41.43
W1 Width	2	5.08	2	5.08
W2 Width	14 1/2	36.83	14 1/2	36.83
H Height	68 1/8	173.04	68 1/8	173.04
H1 Height	34 1/16	86.52	34 1/16	86.52
H2 Height	48 1/8	122.24	48 1/8	122.24
(C) Freezer Nondispenser Panel				
W Width	14 1/16	35.98	16 5/16	41.43
H Height	68 1/8	173.04	68 1/8	173.04
(D) Refrigerator Panel				
W Width	21 5/16	54.13	25 1/16	63.66
H Height	68 1/8	173.04	68 1/8	173.04
FRONT DECORATOR PANEL	in.	cm	in.	cm
(A) Grille Panel				
W Width	40 1/4	102.24	46 1/4	117.48
H Height	8 3/4	22.23	8 3/4	22.23
(B) Freezer Dispenser Panel				
W Width	14 7/8	37.78	17 1/8	43.50
W1 Width	2 1/4	5.72	2 1/4	5.72
W2 Width	14 1/4	36.20	14 1/4	36.20
H Height	69 1/4	175.90	69 1/4	175.90
H1 Height	34 5/16	87.15	34 5/16	87.15
H2 Height	47 13/16	121.44	47 13/16	121.44
(C) Freezer Nondispenser Panel				
W Width	14 7/8	37.78	17 1/8	43.50
H Height	69 1/4	175.90	69 1/4	175.90
(D) Refrigerator Panel				
W Width	22 1/8	56.20	26 7/8	68.26
H Height	69 1/4	175.90	69 1/4	175.90

NOTES:

1. Use countersink screws for attaching the backer panel to the front panel.
2. On 42" custom panels, watch location of handle mounting due to undercut of front panel.
3. For freezer dispenser front panels, remove fountain trim and tape it to the backside of the backer panel. Note: Recycle symbol should be visible and located at the bottom.
4. You may want to remove any additional material on the backer panel when used in conjunction with a front panel. Remove 1/32" of thickness and 1/2" of width on the inside surface of the backer panel. This will help ease assembly of the panel assembly onto the door.

Backer Panel Thickness 1/4" (0.64 cm)
Spacer Panel Thickness 0.100" (0.25 cm)
If Raised Panel is Used Overall Front Panel Thickness Not to Exceed 1 1/4" (3.18 cm)

INSTALLATION GUIDE – OVERLAY MODELS

Overlay Models

The decorator panels for overlay models cover the door trim for an attractive, seamless look that flows into the overall design of the room. This application is often accomplished by using three panels: the decorative front panel, a spacer panel of .10" (2.5 mm) thickness, and a ¼" (0.6 cm) backer panel. Other options to achieve this look (such as using one panel routed for different dimensions) may be available from your cabinet manufacturer.

Jade offers 42" and 48" dispenser and nondispenser models with the overlay design.

Decorator Panel Specifications for Overlay Models (See illustration on page 14.)

	42"-Wide Cabinet		48"-Wide Cabinet	
BACKER PANEL	in.	cm	in.	cm
(A) Grille Panel				
W Width	40 1/4	102.24	46 1/4	117.48
H Height	8 3/4	22.23	8 3/4	22.23
(B) Freezer Dispenser Panel				
W Width	16 1/4	41.28	18 1/2	46.99
W1 Width	2	5.08	2	5.08
W2 Width	14 1/2	36.83	14 1/2	36.83
H Height	69 1/8	175.58	69 1/8	175.58
H1 Height	34 1/16	86.52	34 1/16	86.52
H2 Height	48 1/8	122.24	48 1/8	122.24
(C) Freezer Nondispenser Panel				
W Width	16 1/4	41.28	18 1/2	46.99
H Height	69 1/8	175.58	69 1/8	175.58
(D) Refrigerator Panel				
W Width	23 1/2	59.69	27 1/4	69.22
H Height	69 1/8	175.58	69 1/8	175.58
SPACER PANEL	in.	cm	in.	cm
(A) Grille Panel				
W Width	39 1/4	99.70	45 1/4	114.94
H Height	7 3/4	19.69	7 3/4	19.69
(B) Freezer Dispenser Panel				
W Width	15 1/4	38.74	17 1/2	44.45
W1 Width	2	5.08	2	5.08
W2 Width	14 1/2	36.83	14 1/2	36.83
H Height	68 1/8	173.04	68 1/8	173.04
H1 Height	34 1/16	86.52	34 1/16	86.52
H2 Height	48 1/8	122.24	48 1/8	122.24
(C) Freezer Nondispenser Panel				
W Width	15 1/4	38.74	17 1/2	44.45
H Height	68 1/8	173.04	68 1/8	173.04
(D) Refrigerator Panel				
W Width	22 1/2	57.15	26 1/4	66.68
H Height	68 1/8	173.04	68 1/8	173.04
FRONT DECORATOR PANEL	in.	cm	in.	cm
(A) Grille Panel				
W Width	40 1/4	102.24	46 1/4	117.48
H Height	8 3/4	22.23	8 3/4	22.23
(B) Freezer Dispenser Panel				
W Width	16 7/16	41.75	18 3/4	47.63
W1 Width	2 1/4	5.72	2 1/4	5.72
W2 Width	14 1/4	36.20	14 1/4	36.20
H Height	69 1/4	175.90	69 1/4	175.90
H1 Height	34 5/16	87.15	34 5/16	87.15
H2 Height	47 13/16	121.44	47 13/16	121.44
(C) Freezer Nondispenser Panel				
W Width	16 7/16	41.75	18 3/4	47.63
H Height	69 1/4	175.90	69 1/4	175.90
(D) Refrigerator Panel				
W Width	23 3/4	60.33	27 1/2	69.85
H Height	69 1/4	175.90	69 1/4	175.90

NOTES:

1. Use countersink screws for attaching the backer panel to the front panel.
2. On 42" custom panels, watch location of handle mounting due to undercut of front panel.
3. For freezer dispenser front panels, remove fountain trim and tape it to the backside of the backer panel. Note: Recycle symbol should be visible and located at the bottom.
4. You may want to remove any additional material on the backer panel when used in conjunction with a front panel. Remove 1/32" of thickness and 1/2" of width on the inside surface of the backer panel. This will help ease assembly of the panel assembly onto the door.

Backer Panel Thickness 1/4" (0.64 cm)
Spacer Panel Thickness 0.100" (0.25 cm)
If Raised Panel is Used Overall Front Panel Thickness Not to Exceed 1 1/4" (3.18 cm)

Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details, see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

INSTALLATION GUIDE – DECORATOR PANELS

Installing Decorator Panels

Be aware that panels used on refrigerators with the framed or overlay design have the potential for coming into contact with adjacent cabinets and/or countertops when the refrigerator doors are opened. You will want to be mindful of the surrounding cabinetry and space limitations when planning for decorator panels.

Refer to the 90° door stop information in Figure 18 on page 21.

Grille Panels

A decorator grille panel that matches the decorator door panels may be used to replace the standard grille shipped on the unit. This allows the refrigerator to integrate completely into the surrounding cabinetry.

⚠CAUTION. Do not exceed the panel dimensions shown in the charts on pages 15 and 16 for the grille panel. If the decorator panel is larger than specified, it may restrict the airflow to the compressor and condenser area, which may cause the unit to function improperly.

Installation of Panels (Framed or Overlay Models)

1. Begin by removing the door handle or trim piece. A magnetic-backed molding hides the handle or overlay trim screws. Use the adhesive side of the packaging tape on the magnetic-backed molding to pull it away from door (FIG. 10a).
2. Remove the screws with a Phillips screwdriver (FIG. 10b). Slide the panel into position. The panel needs to be under the trim. Install the handle. Replace the molding in the channel and reset the magnetic-backed molding.
3. To install the panel on the grille, remove the screws on the top and bottom of the upper cover (FIG. 10c). DO NOT REMOVE the foam.
4. Slide the panel into place and replace screws (FIG. 10d). If the thickness of the panel is less than a ¼" (0.6 cm), back it up with a sheet of shim material to obtain ¼" (0.6 cm) thickness. Cardboard backer is recommended for stainless steel application. For panel size, refer to pages 9 – 13.

⚠CAUTION

Do not drive screws or sharp objects into door panels.
Do not pinch door seal when reinstalling handle.

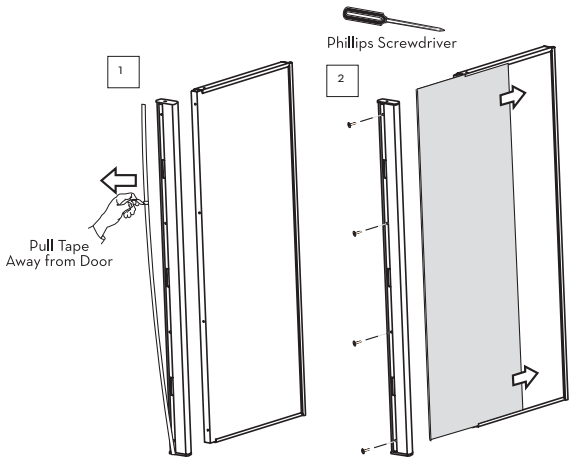


FIG. 10a FIG. 10b

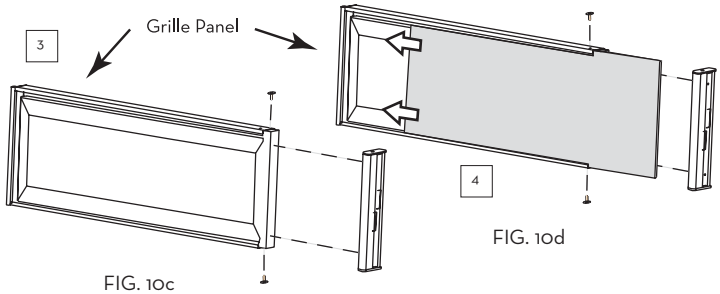
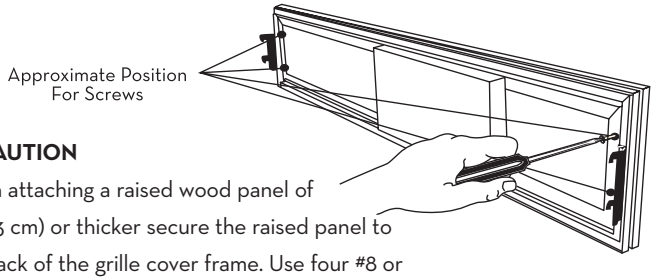


FIG. 10c FIG. 10d



⚠CAUTION

When attaching a raised wood panel of ½" (1.3 cm) or thicker secure the raised panel to the back of the grille cover frame. Use four #8 or similar screws. See illustration for approximate locations.

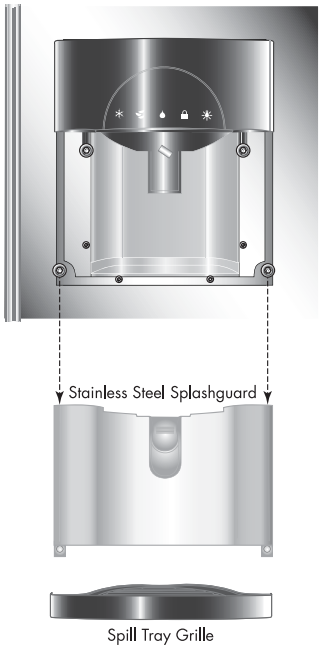
INSTALLATION GUIDE – INSTALLING PANELS ON DISPENSER MODELS

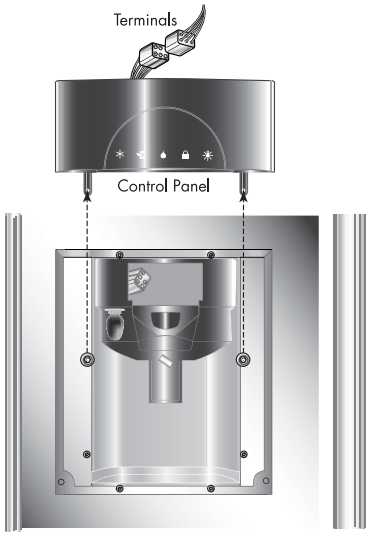
Freezer Dispenser Panel Installation

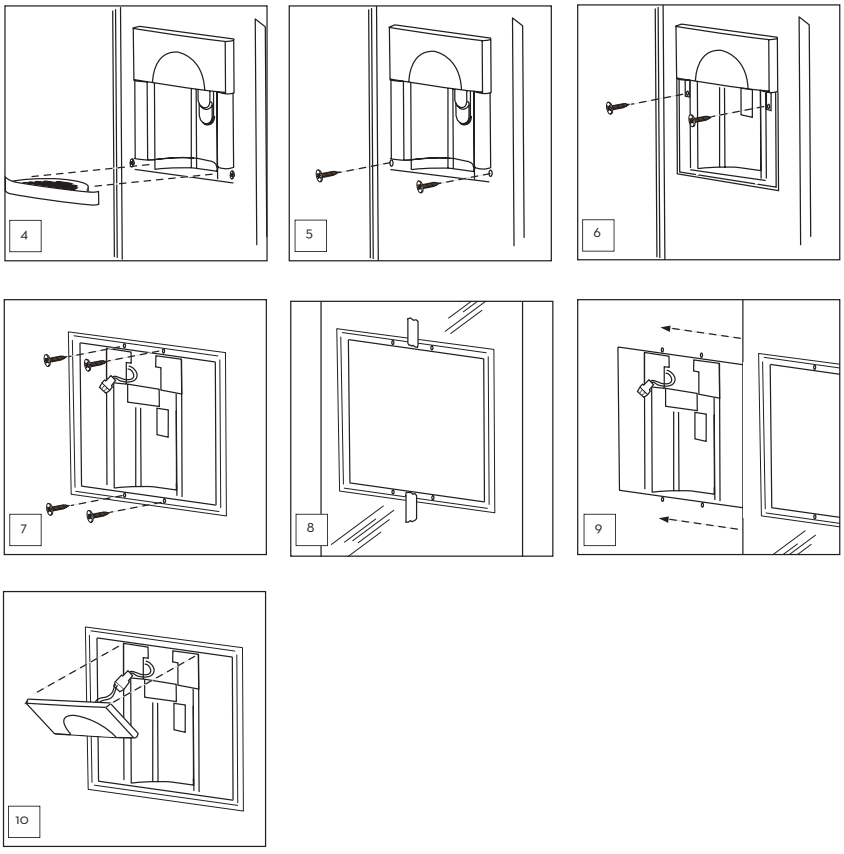
1. Power switch needs to be off. Switch is located in machine compartment area (see User Guide).
2. Remove magnetic strip on door handle. Use of tape may be required to remove magnetic strip. (See FIG. 10a on page 17.)
3. Remove four Phillips screws to remove door handle/trim. (See FIG. 10b on page 17.)

(Refer to numbered illustrations for steps 4 – 10)

4. Remove the spill tray grille from the fountain.
5. Remove the two #15 Torx machine screws, that retain the stainless steel splashguard. Remove the splashguard.
6. Remove the two #15 long plastic Torx screws that retain the fountain control panel. Slide control panel down to remove. Disconnect the electrical terminals going to the fountain control panel. Tuck dispenser terminal inside to avoid interference.
7. Remove the four #15 plastic collar Torx screws from the fountain/escutcheon collar.
8. Place the fountain/escutcheon collar onto the backer panel. Use tape to hold in place.
9. Open the freezer door and slide panel onto the door.
10. The holes in the fountain/escutcheon collar should line up with the mounting holes in the door panel. Reverse instructions 7 to 1: Replace the four #15 plastic collar Torx screws in connect the fountain escutcheon collar, the electrical terminals, and so on.







INSTALLATION GUIDE – SIDE PANELS

Installing Side Panels

If you are using side panels with the Jade™ built-in refrigerator, they will need to be ¼" (0.6 cm) thick. Slide the panel into position and secure with screws as indicated by the shaded area (FIG. 11a). A 3⁄16" spacer is required between the cabinet and side panel (FIG. 11b). A ½" thick by 10 ¼" tall spacer is required if the side panel extends up into the machine compartment area on the refrigerator side (FIG. 11c).

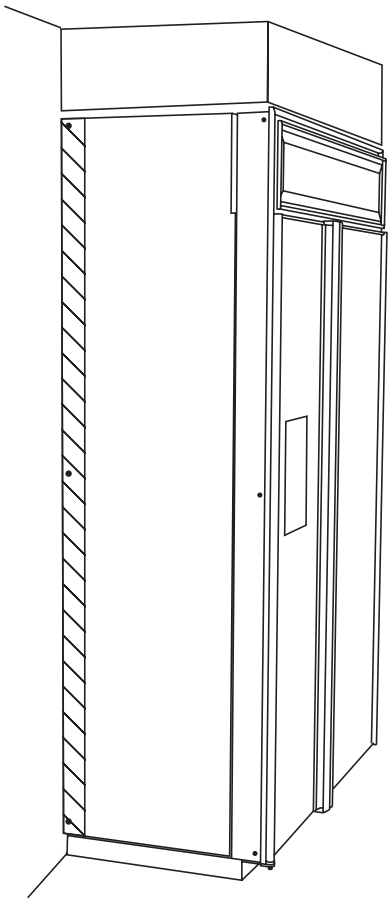


FIG. 11a

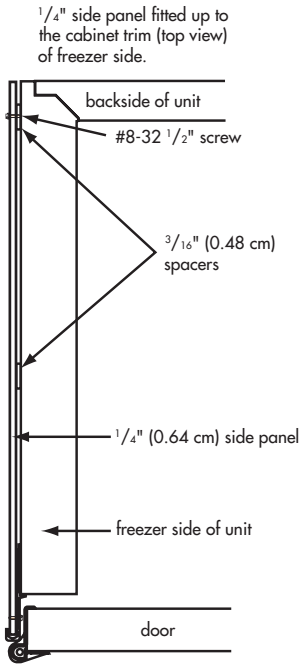

1/4" side panel fitted up to the cabinet trim (top view) of freezer side.
backside of unit
#8-32 1/2" screw
3/16" (0.48 cm) spacers
1/4" (0.64 cm) side panel
freezer side of unit
door

FIG. 11b

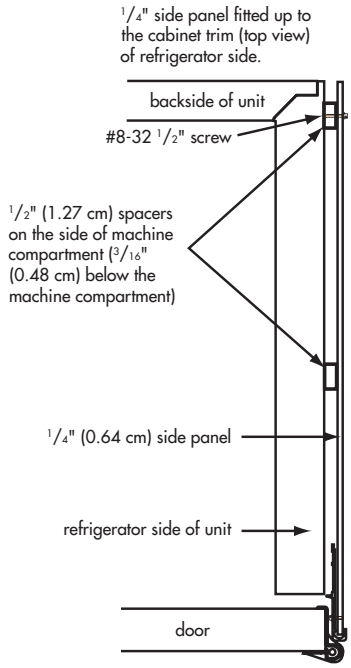
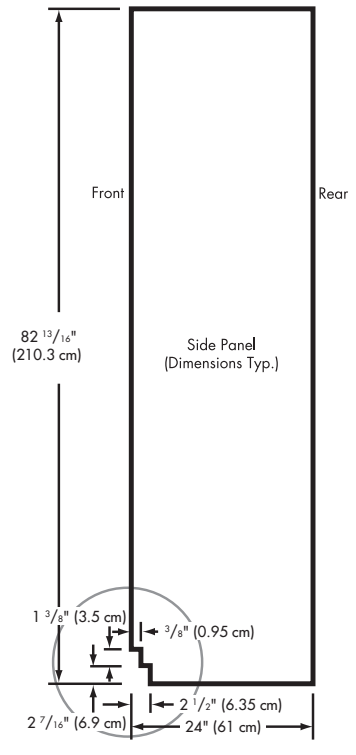

1/4" side panel fitted up to the cabinet trim (top view) of refrigerator side.
backside of unit
#8-32 1/2" screw
1/2" (1.27 cm) spacers on the side of machine compartment (3/16" (0.48 cm) below the machine compartment)
1/4" (0.64 cm) side panel
refrigerator side of unit
door

FIG. 11c



Toe Kick and Hinge Area

INSTALLATION GUIDE – SPECIAL CONSIDERATIONS

Special Considerations

The illustrations on this page may be useful to help you understand some of the situations you may face as you design and install the various models of Jade™ built-in refrigerators.

Figures 12 – 14 demonstrate handle placement for framed models. Figure 14 also shows the optional handle extension as referenced by the stair-stepped portion of the drawing.

FIG.12

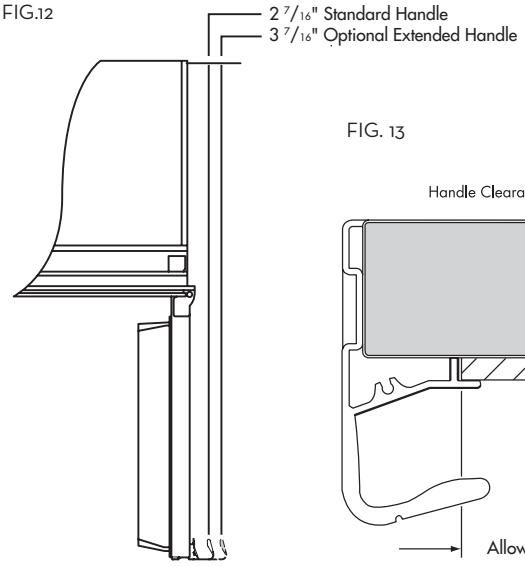


FIG. 13

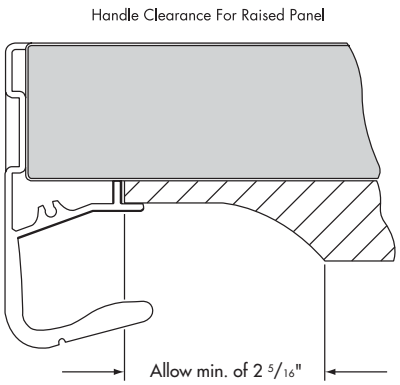
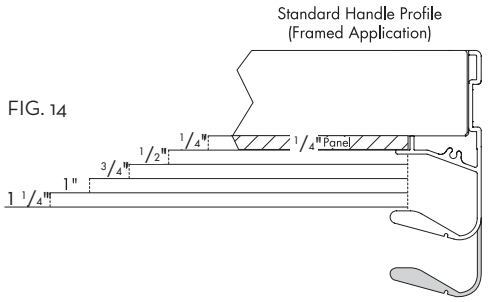


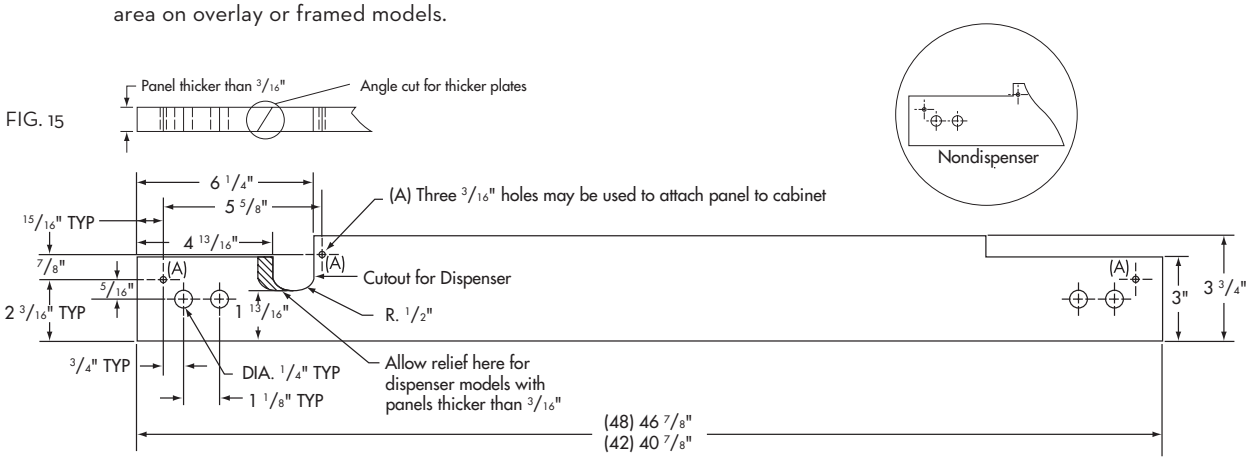
FIG. 14



Optional Extended Handle Kit

Figure 15 provides information for using a custom panel in the toe kickplate area on overlay or framed models.

FIG. 15

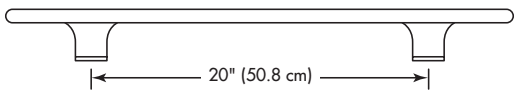


Handle Considerations for Overlay Models

If the customer has specified a Jade™ built-in refrigerator overlay model, the unit will be shipped without handle hardware. Handle hardware that the customer has specified to match the overall decorating scheme must be provided separately at the job site.

Before installing the custom panel assembly, the custom handle hardware must be installed. It is recommended that handles with larger D-style pulls be used. If the screws that are used have thick heads, the screws will need to be countersunk into the panel before it is put into place.

IMPORTANT TIP: Jade advises that single-pull knobs not be used on built-in refrigerator overlay models.



Important: Because of continuing product improvements, Jade reserves the right to change specifications without notice. Dimensional specifications are provided for planning purposes only. For complete details, see installation instructions packed with product before selecting cabinetry, making cutouts or beginning installation.

INSTALLATION GUIDE – SPECIAL CONSIDERATIONS

Figures 16 and 17 let you see what considerations you need to make for any custom panel applications, and how they may interact with adjacent cabinets and/or countertops. Also refer to the Installation Guidelines for framed and overlay models on pages 14 — 17.

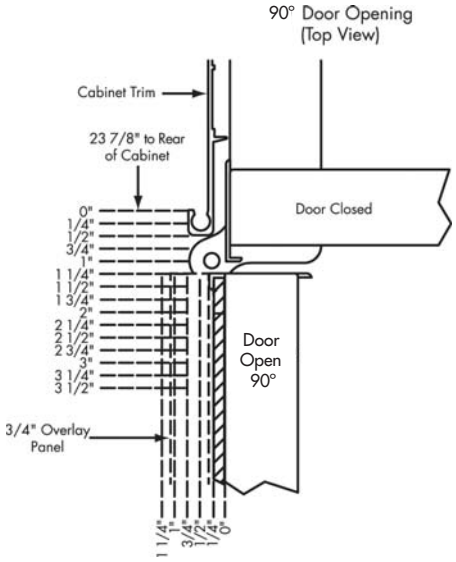


FIG. 16

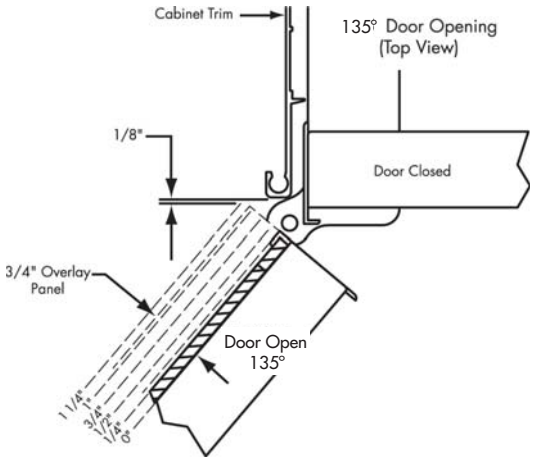
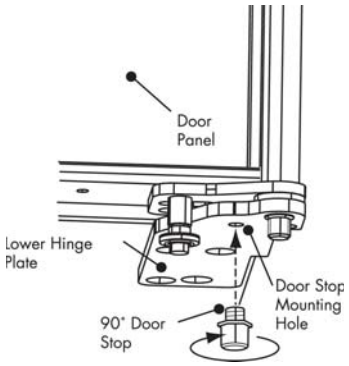


FIG. 17

90° Door Stop

Both doors are designed to open 135°. To restrict one or both doors to a 90° opening, use the door stops supplied in this kit.

FIG. 18



With the doors closed, screw a door stop into the underside of the lower hinge plate as illustrated above.

Tool Requirements:

Tape measure
Level
Stud finder
Drill with various bits
Socket set
Utility knife
Magnetic extended screwdriver
Phillips screwdriver
Torx bit
Cardboard, carpet remnant or other protective material for flooring
Steel hanger strap

Installation Checklist:

INSTALLER

Doors

- ❑ Handles are solidly attached to doors.
- ❑ Doors seal completely to refrigerator cabinet.
- ❑ Door handle alignment is correct (framed models).
- ❑ Door seals are not pinched.
- ❑ Screws/sharp objects have not been driven into the doors.

Leveling

- ❑ L brackets are secured to 2x4 wood block.
- ❑ Stabilizing legs are against floor. Cabinet is secure.
- ❑ Toe kickplate is properly attached to refrigerator and aligned with floor.

Icemaker

- ❑ Water supply to refrigerator is turned on and lines have been flushed.
- ❑ Water leaks are not present at connection between house-hold water supply and refrigerator.
- ❑ Icemaker arm is down for ice production.
- ❑ PuriClean® ice and water filtration system is installed correctly, if applicable.
- ❑ Water has been purged from the fountain on dispenser models.

JADE™ BUILT-IN REFRIGERATOR WARRANTY

Full Three-Year Warranty
For **three (3) years** from the date of original retail purchase, any part which fails in normal home use will be repaired or replaced free of charge.

Icemaker – when supplied with the refrigerator, the icemaker will be considered part of the refrigerator for warranty purposes.

Limited Five-Year Warranty – Major Refrigeration Components
For **five (5) years** from the date of original retail purchase, any part of the sealed refrigeration system (consisting of the compressor, evaporator, condenser, drier and connecting tubing) which fails in normal home use will be repaired or replaced, at the manufacturer's option, free of charge. Mileage and transportation charges, if required, shall be the responsibility of the owner.

Limited Warranty – Major Refrigeration Components
Sixth Through Twelfth Year: After the fifth year from the date of original retail purchase, through the end of the twelfth year, the manufacturer will repair or replace, at its option, free of charge for the part itself, any part of the sealed refrigeration system (consisting of the compressor, evaporator, condenser, drier and connecting tubing) which fails in normal home use, with the owner paying all other costs, including labor, mileage and transportation.

Limited Warranty – PuriClean® Water Filter
With regard to the water filter cartridge, any part of the water filter cartridge which fails due to a defect in workmanship or materials will be replaced for a period of **thirty days** from the date of original purchase. This is a full 30-day warranty, and during this warranty period, we will also provide free of charge, all labor and in-home service required to replace the defective part.

PLEASE NOTE: The full warranty and the limited warranties apply when the refrigerator is located in the United States or Canada. Refrigerators located elsewhere are covered by the limited warranties only, including parts that fail during the first three years.

Limitations of Liability
The warrantor shall not be liable for any incidental or consequential damages, including food loss. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation or exclusion may not apply to you.

The specific warranties expressed above are the ***ONLY*** warranties provided by the manufacturer. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

TO RECEIVE WARRANTY SERVICE

To locate an authorized service company in your area, contact the Jade dealer from whom your appliance was purchased; or call Customer Assistance at the number listed below. Should you not receive satisfactory warranty service, please call or write:

Maytag Appliance Sales Company
P.O. Box 2370
Cleveland, TN 37320-2370
U.S. and CANADA 1-866-459-6298
U.S. customers using TTY for deaf, hearing impaired or speech impaired, call 1-800-688-2080.

NOTE: When writing about an unsolved service problem, please include the following information:

a. Your name, address and telephone number.
b. The model number, serial number and revision number of your refrigerator (found on the top front interior of the refrigerator compartment).
c. The name and address of your dealer and the date the appliance was bought.
d. A clear description of the problem you are having.
e. Proof of purchase (sales receipt).

User's Guides, service manuals and parts catalogs are available from Customer Service.

WHAT IS NOT COVERED BY THESE WARRANTIES

1. Conditions and damages resulting from any of the following:
   a. Improper installation, delivery or maintenance.
   b. Any repair, modification, alteration or adjustment not authorized by the manufacturer or an authorized servicer.
   c. Misuse, abuse, accidents or unreasonable use.
   d. Incorrect electric current, voltage or supply.
   e. Improper setting of any control.
2. Warranties are void if the original serial numbers have been removed, altered or cannot be readily determined.
3. Light bulbs.
4. Products purchased for commercial or industrial use.
5. The cost of service or service call to:
   a. Correct installation errors.
   b. Instruct the user on proper use of the product.
   c. Transport the appliance to the servicer.
6. Consequential or incidental damages sustained by any person as a result of any breach of these warranties.

Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above exclusion may not apply.

NOTE: Some reverse-osmosis home water systems cause low water pressure. Low water pressure can affect the water and ice dispensing system by causing small or hollow ice cubes and slow water flow from the dispenser. Service problems related to the home's reverse-osmosis water system are not covered by the warranty.

JADE™ | SAVOR THE PERFORMANCE.™

U.S. and foreign patents and patents pending. Specifications subject to change without notice.
For a dealer near you, visit www.jadeappliances.com or call 1-800-794-5233.